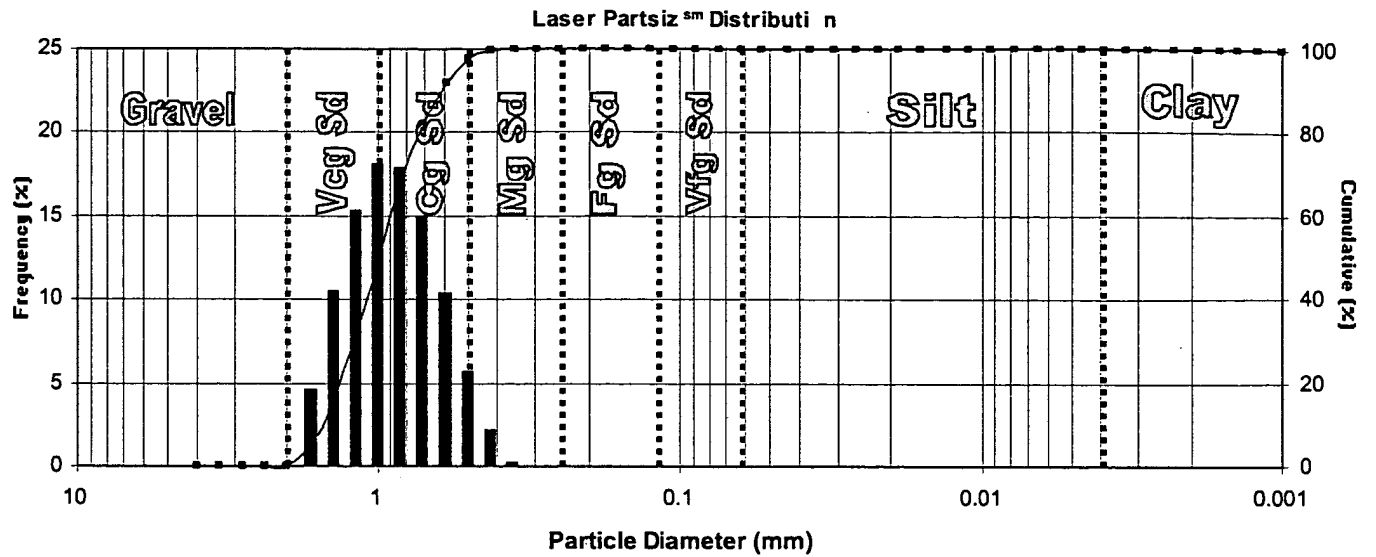
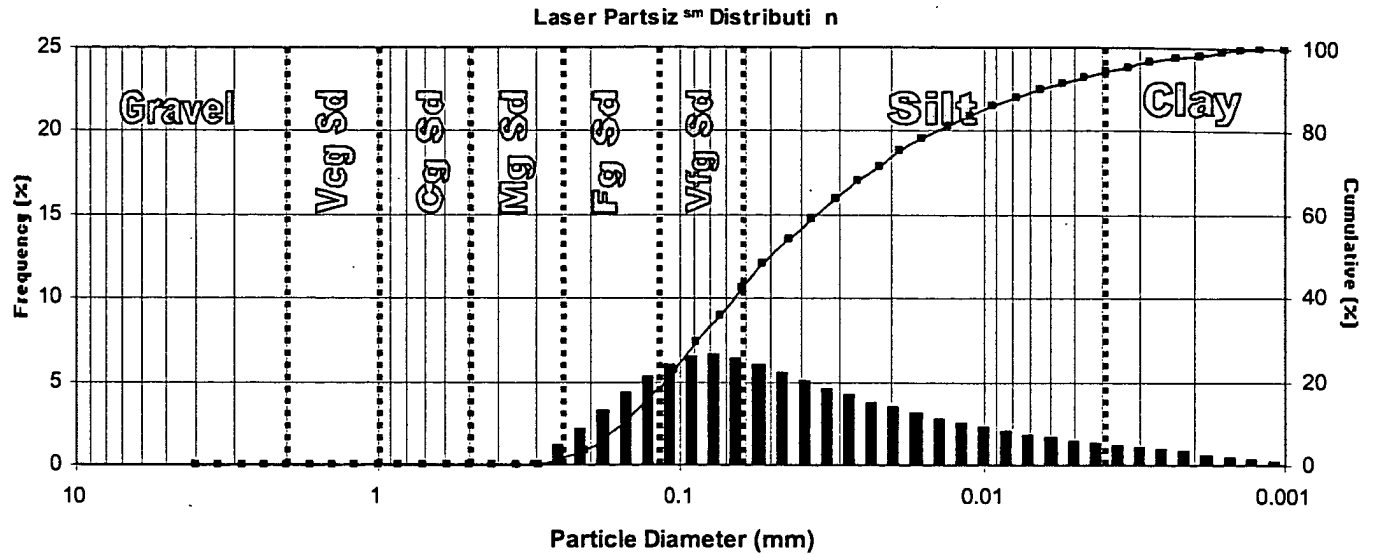


Appendix A1



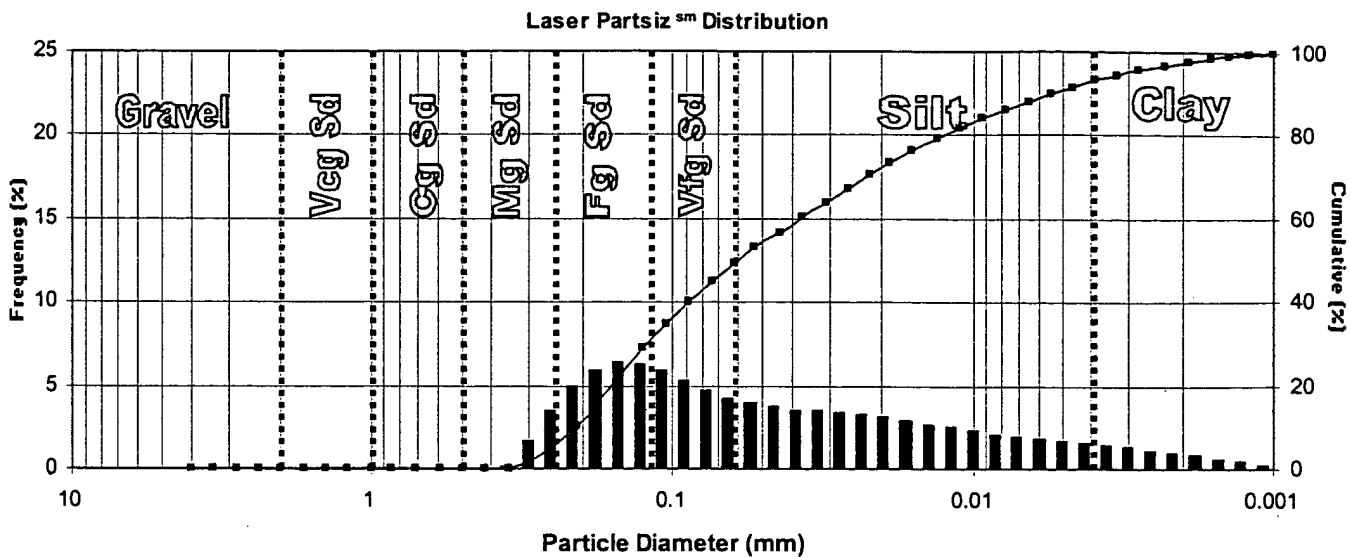
GRAIN SIZE DISTRIBUTION							SORTING PARAMETERS			
MESH	PHI	INCH	MM	SEP	SEP	CUM				
	5	-2.00	0.1575	4.0000	0.0	0.0	PERCENTILES:			
	6	-1.75	0.1323	3.3600	0.0	0.0				
	7	-1.50	0.1114	2.8300	0.0	0.0				
	8	-1.25	0.0937	2.3800	0.0	0.0				
GRAVEL	10	-1.00	0.0787	2.0000	0.0	0.0				
	12	-0.75	0.0661	1.6800	4.6	4.6	<div><div>mm</div><div>Inches</div><div>phi</div></div>			
	14	-0.50	0.0555	1.4100	10.5	15.2				
	16	-0.25	0.0469	1.1900	15.4	30.6				
VCRS SD	18	0.00	0.0394	1.0000	18.1	48.6				
	20	0.25	0.0335	0.8500	17.9	66.5				
	25	0.50	0.0280	0.7100	14.9	81.4	51.67080.0658-0.7406			
	30	0.75	0.0236	0.6000	10.4	91.8				
CRS SD	35	1.00	0.0197	0.5000	5.7	48.9				
	40	1.25	0.0165	0.4200	2.2	99.7				
	45	1.50	0.0138	0.3500	0.3	100.0				
	50	1.75	0.0117	0.2970	0.0	100.0	101.54270.0607-0.6255			
MED SAND	60	2.00	0.0098	0.2500	0.0	2.5				
	70	2.25	0.0083	0.2100	0.0	100.0				
	80	2.50	0.0070	0.1770	0.0	100.0				
FINE SAND	100	2.75	0.0058	0.1490	0.0	100.0				
	120	3.00	0.0049	0.1250	0.0	0.0	161.39830.0551-0.4837			
	140	3.25	0.0041	0.1050	0.0	100.0				
	170	3.50	0.0035	0.0880	0.0	100.0				
VFINE SAND	200	3.75	0.0029	0.0740	0.0	100.0				
	230	4.00	0.0024	0.0620	0.0	0.0				
	270	4.25	0.0021	0.0530	0.0	100.0	251.26950.0500-0.3442			
	325	4.50	0.0017	0.0440	0.0	100.0				
CRS	400	4.75	0.0015	0.0370	0.0	100.0				
SILT	500	5.00	0.0014	0.0310	0.0	0.0				
	5.25	0.0010	0.0260	0.0	0.0	100.0				
	5.50	0.0009	0.0220	0.0	0.0	100.0				
MED	5.75	0.0007	0.0190	0.0	0.0	100.0				
SILT	6.00	0.0006	0.0160	0.0	0.0	100.0				
	6.25	0.0005	0.0130	0.0	0.0	100.0				
	6.50	0.0004	0.0110	0.0	0.0	100.0	750.76610.03020.3844			
	6.75	0.0003	0.0093	0.0	0.0	100.0				
FINE	6.75	0.0003	0.0078	0.0	0.0	100.0				
SILT	7.00	0.0003	0.0078	0.0	0.0	100.0				
	7.25	0.0002	0.0065	0.0	0.0	100.0				
	7.50	0.0002	0.0055	0.0	0.0	100.0	840.68280.02690.5504			
	7.75	0.0002	0.0046	0.0	0.0	100.0				
VFINE	8.00	0.0001	0.0039	0.0	0.0	100.0				
SILT	8.25	0.0001	0.0033	0.0	0.0	100.0				
	8.50	0.0001	0.0028	0.0	0.0	100.0				
	8.75	0.0001	0.0023	0.0	0.0	100.0	900.61920.02440.6916			
	9.00	0.0000	0.0019	0.0	0.0	100.0				
	9.25	0.0000	0.0016	0.0	0.0	100.0				
	9.50	0.0000	0.0014	0.0	0.0	100.0				
	9.75	0.0000	0.0012	0.0	0.0	100.0				
CLAY	10.00	0.0000	0.0010	0.0	0.0	100.0	950.54410.02140.8781			
							SURFACE AREA (m²/cc) :0.0077			
							STD DEVIATION (mm) :0.3577			
							STD DEVIATION (Inches) :0.0141			
							GRAVEL PACK :10/20			

Appendix A2



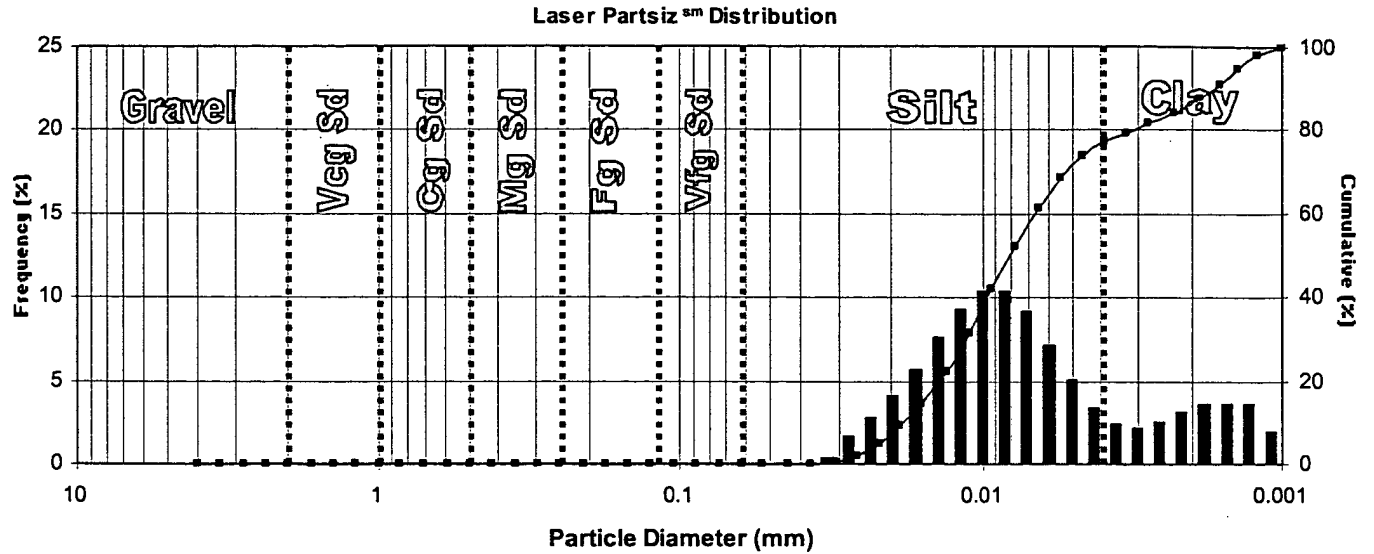
GRAIN SIZE DISTRIBUTION								SORTING PARAMETERS					
	MESH	PHI	INCH	MM	SEP	SEP	CUM						
GRAVEL	5	-2.00	0.1575	4.0000	0.0		0.0	PERCENTILES:					
	6	-1.75	0.1323	3.3600	0.0		0.0						
	7	-1.50	0.1114	2.8300	0.0		0.0						
	8	-1.25	0.0937	2.3800	0.0		0.0						
	10	-1.00	0.0787	2.0000	0.0	0.0	0.0						
VCRS SD	12	-0.75	0.0661	1.6800	0.0		0.0		mm	Inches	phi		
	14	-0.50	0.0555	1.4100	0.0		0.0	5	0.1961	0.0077	2.3504		
	16	-0.25	0.0469	1.1900	0.0		0.0	10	0.1573	0.0062	2.6681		
	18	0.00	0.0394	1.0000	0.0	0.0	0.0	16	0.1280	0.0050	2.9659		
	20	0.25	0.0335	0.8500	0.0		0.0	25	0.0991	0.0039	3.3345		
CRS SD	25	0.50	0.0280	0.7100	0.0		0.0	50	0.0505	0.0020	4.3082		
	30	0.75	0.0236	0.6000	0.0		0.0	75	0.0191	0.0008	5.7094		
	35	1.00	0.0197	0.5000	0.0	0.0	0.0	84	0.0107	0.0004	6.5519		
	40	1.25	0.0165	0.4200	0.0		0.0	90	0.0063	0.0002	7.3169		
	45	1.50	0.0138	0.3500	0.0		0.0	95	0.0035	0.0001	8.1656		
MED SAND	50	1.75	0.0117	0.2970	0.2		0.2	SURFACE AREA (m^2/cc):					0.4413
	60	2.00	0.0098	0.2500	1.2	1.4	1.4						
	70	2.25	0.0083	0.2100	2.2		3.6						
	80	2.50	0.0070	0.1770	3.3		6.9						
	100	2.75	0.0058	0.1490	4.4		11.3						
FINE SAND	120	3.00	0.0049	0.1250	5.4	15.2	16.7	STD DEVIATION (mm):					0.0587
	140	3.25	0.0041	0.1050	6.1		22.8						
	170	3.50	0.0035	0.0890	6.5		29.3						
	200	3.75	0.0029	0.0740	6.6		35.9						
	230	4.00	0.0024	0.0620	6.5	25.7	42.4						
VFINE SAND	270	4.25	0.0021	0.0530	6.1		48.4	STD DEVIATION (Inches):					0.0023
	325	4.50	0.0017	0.0440	5.6		54.0						
	400	4.75	0.0015	0.0370	5.1		59.1						
	500	5.00	0.0014	0.0310	4.6	21.4	63.7						
		5.25	0.0010	0.0260	4.2		67.9						
MED SILT		5.50	0.0009	0.0220	3.8		71.7	GRAVEL PACK:					40/60
		5.75	0.0007	0.0190	3.4		75.1						
		6.00	0.0006	0.0160	3.1	14.5	78.2						
		6.25	0.0005	0.0130	2.8		81.0						
		6.50	0.0004	0.0110	2.5		83.5						
FINE SILT		6.75	0.0003	0.0093	2.2		85.8	TRASK*FOLK**MOMENT**					
		7.00	0.0003	0.0078	2.0	9.6	87.8						
		7.25	0.0002	0.0065	1.8		89.6						
		7.50	0.0002	0.0055	1.7		91.3						
		7.75	0.0002	0.0046	1.5		92.8						
VFINE SILT		8.00	0.0001	0.0039	1.4	6.3	94.1	MEAN					4.8016
		8.25	0.0001	0.0033	1.2		95.4						
		8.50	0.0001	0.0028	1.1		96.5						
		8.75	0.0001	0.0023	1.0		97.4						
		9.00	0.0000	0.0019	0.8		98.2						
CLAY		9.25	0.0000	0.0016	0.6		98.9	MEDIAN					4.3082
		9.50	0.0000	0.0014	0.5		99.4						
		9.75	0.0000	0.0012	0.4		99.8						
		10.00	0.0000	0.0010	0.2	5.9	100.0						
							SKEWNESS					0.7331	
							KURTOSIS					2.9118	
							*COMPUTED USING MILLIMETER VALUES						
							**COMPUTED USING PHI VALUES						

Appendix A3



GRAIN SIZE DISTRIBUTION							SORTING PARAMETERS						
	MESH	PHI	INCH	MM	SEP	SEP	CUM						
GRAVEL	5	-2.00	0.1575	4.0000	0.0		0.0	PERCENTILES:					
	6	-1.75	0.1323	3.3600	0.0		0.0						
	7	-1.50	0.1114	2.8300	0.0		0.0						
	8	-1.25	0.0937	2.3800	0.0		0.0						
	10	-1.00	0.0787	2.0000	0.0	0.0	0.0						
VCRS SD	12	-0.75	0.0661	1.6800	0.0		0.0		mm	inches	phi		
	14	-0.50	0.0555	1.4100	0.0		0.0						
	16	-0.25	0.0469	1.1900	0.0		0.0	5	0.2539	0.0100	1.9777		
	18	0.00	0.0394	1.0000	0.0	0.0	0.0	10	0.2123	0.0084	2.2359		
	20	0.25	0.0335	0.8500	0.0		0.0	16	0.1783	0.0070	2.4874		
CRS SD	25	0.50	0.0280	0.7100	0.0		0.0	25	0.1397	0.0055	2.8392		
	30	0.75	0.0236	0.6000	0.0		0.0	50	0.0599	0.0024	4.0616		
	35	1.00	0.0197	0.5000	0.0	0.0	0.0	75	0.0174	0.0007	5.8425		
	40	1.25	0.0165	0.4200	0.0		0.0	84	0.0092	0.0004	6.7595		
	45	1.50	0.0138	0.3500	0.1		0.1	90	0.0054	0.0002	7.5392		
MED	50	1.75	0.0117	0.2970	1.6		1.8	95	0.0031	0.0001	8.3425		
SAND	60	2.00	0.0098	0.2500	3.5	5.3	5.3						
FINE SAND	70	2.25	0.0083	0.2100	5.0		10.3	SURFACE AREA (m^2/cc):				0.4722	
	80	2.50	0.0070	0.1770	6.0		16.2						
	100	2.75	0.0058	0.1490	6.3		22.6						
	120	3.00	0.0049	0.1250	6.3	23.6	28.8						
	140	3.25	0.0041	0.1050	5.9		34.7						
VFINE SAND	170	3.50	0.0035	0.0880	5.3		40.0	STD DEVIATION (mm):				0.0845	
	200	3.75	0.0029	0.0740	4.8		44.8						
	230	4.00	0.0024	0.0620	4.3	20.2	49.1						
	270	4.25	0.0021	0.0530	3.9		53.0						
	325	4.50	0.0017	0.0440	3.7		56.7						
CRS SILT	400	4.75	0.0015	0.0370	3.5		60.2	STD DEVIATION (inches):				0.0033	
	500	5.00	0.0014	0.0310	3.5	14.6	63.7						
		5.25	0.0010	0.0260	3.4		67.1		GRAVEL PACK:				40/60
		5.50	0.0009	0.0220	3.3		70.3						
		5.75	0.0007	0.0190	3.1		73.5						
	6.00	0.0006	0.0160	2.9	12.7	76.4							
FINE SILT		6.25	0.0005	0.0130	2.7		79.1	TRASK*FOLK**MOMENT**					
		6.50	0.0004	0.0110	2.5		81.6						
		6.75	0.0003	0.0093	2.3		83.9						
		7.00	0.0003	0.0078	2.1	9.6	86.0						
		7.25	0.0002	0.0065	1.9		88.0		MEAN	0.0786	4.4362	4.6266	
VFINE SILT		7.50	0.0002	0.0055	1.8		89.8	MEDIAN	0.0599	4.0616	4.0616		
		7.75	0.0002	0.0046	1.7		91.5	SORTING	2.8317	2.0324	1.9997		
		8.00	0.0001	0.0039	1.6	7.0	93.0	SKEWNESS	0.6790	0.3041	0.6477		
		8.25	0.0001	0.0033	1.4		94.4	KURTOSIS	0.2956	0.8685	2.4930		
		8.50	0.0001	0.0028	1.3		95.7						
CLAY		8.75	0.0001	0.0023	1.1		96.9						
		9.00	0.0000	0.0019	1.0		97.8						
		9.25	0.0000	0.0016	0.8		98.6						
		9.50	0.0000	0.0014	0.6		99.2						
		9.75	0.0000	0.0012	0.5		99.7						
		10.00	0.0000	0.0010	0.3	7.0	100.0						

Appendix A4



GRAIN SIZE DISTRIBUTION							SORTING PARAMETERS				
	MESH	PHI	INCH	MM	SEP	SEP	CUM				
GRAVEL	5	-2.00	0.1575	4.0000	0.0		0.0	PERCENTILES:			
	6	-1.75	0.1323	3.3600	0.0		0.0				
	7	-1.50	0.1114	2.8300	0.0		0.0				
	8	-1.25	0.0937	2.3800	0.0		0.0				
	10	-1.00	0.0787	2.0000	0.0	0.0	0.0				
VCRS SD	12	-0.75	0.0661	1.6800	0.0		0.0	50.0000			
	14	-0.50	0.0555	1.4100	0.0		0.0				
	16	-0.25	0.0469	1.1900	0.0		0.0				
	18	0.00	0.0394	1.0000	0.0	0.0	0.0				
	20	0.25	0.0335	0.8500	0.0		0.0				
CRS SD	25	0.50	0.0280	0.7100	0.0		0.0	75.0000			
	30	0.75	0.0236	0.6000	0.0		0.0				
	35	1.00	0.0197	0.5000	0.0	0.0	0.0				
	40	1.25	0.0165	0.4200	0.0		0.0				
	45	1.50	0.0138	0.3500	0.0		0.0				
MED SAND	50	1.75	0.0117	0.2970	0.0		0.0	90.0000			
	60	2.00	0.0098	0.2500	0.0	0.0	0.0				
	70	2.25	0.0083	0.2100	0.0		0.0				
	80	2.50	0.0070	0.1770	0.0		0.0				
	100	2.75	0.0058	0.1490	0.0		0.0				
FINE SAND	120	3.00	0.0049	0.1250	0.0	0.0	0.0	SURFACE AREA (m²/cc): 1.5076			
	140	3.25	0.0041	0.1050	0.0		0.0				
	170	3.50	0.0035	0.0880	0.0		0.0				
	200	3.75	0.0029	0.0740	0.0		0.0				
	230	4.00	0.0024	0.0620	0.0	0.0	0.0				
VFINE SAND	270	4.25	0.0021	0.0530	0.0		0.0	STD DEVIATION (mm): 0.0066			
	325	4.50	0.0017	0.0440	0.0		0.0				
	400	4.75	0.0015	0.0370	0.0		0.0				
	500	5.00	0.0014	0.0310	0.4	0.4	0.4				
	525	5.25	0.0010	0.0260	1.6		2.1				
MED SILT	550	5.50	0.0009	0.0220	2.7		4.8	STD DEVIATION (inches): 0.0003			
	575	5.75	0.0007	0.0190	4.1		8.9				
	600	6.00	0.0006	0.0160	5.7	14.2	14.7				
	625	6.25	0.0005	0.0130	7.6		22.3				
	650	6.50	0.0004	0.0110	9.3		31.6				
FINE SILT	675	6.75	0.0003	0.0093	10.4		42.0	GRAVEL PACK: N/A			
	700	7.00	0.0003	0.0078	10.4	37.7	52.4				
	725	7.25	0.0002	0.0065	9.2		61.5				
	750	7.50	0.0002	0.0055	7.2		68.7				
	775	7.75	0.0002	0.0046	5.0		73.7				
VFINE SILT	800	8.00	0.0001	0.0039	3.3	24.7	77.1	MEAN 0.0084 7.2351 7.3110 MEDIAN 0.0081 6.9405 6.9405 SORTING 1.6917 1.2896 1.2063 SKEWNESS 0.8118 0.3046 0.5642 KURTOSIS 0.2406 1.0793 2.4784			
	825	8.25	0.0001	0.0033	2.4		79.4				
	850	8.50	0.0001	0.0028	2.1		81.6				
	875	8.75	0.0001	0.0023	2.5		84.1				
	900	9.00	0.0000	0.0019	3.1		87.2				
CLAY	925	9.25	0.0000	0.0016	3.6		90.8	* COMPUTED USING MILLIMETER VALUES ** COMPUTED USING PHI VALUES			
	950	9.50	0.0000	0.0014	3.7		94.5				
	975	9.75	0.0000	0.0012	3.8		98.1				
	1000	10.00	0.0000	0.0010	1.9	22.9	100.0				